

PUBLIC NOTICE

PERMIT APPLICATION: NRS #08.051

APPLICANT: State of Tennessee
Department of Transportation
Environmental Division
Suite 900, J. K. Polk Bldg.
505 Deaderick Street
Nashville, TN 37243-0334
615-253-2441

LOCATION: SR-20 from Madison County Line to west of Crucifer Road in Lexington
Henderson County

WATERSHED DESCRIPTION: This project will impact wetlands, Gurley Creek, Dry Branch, Courtney Branch, and numerous unnamed tributaries. Gurley Creek flows over a gravel/silt bed in a channel 10 – 12 ft. wide with 4-6 foot banks. The existing vegetation is mature hardwoods. A TDEC habitat assessment was conducted at Law Road with a resulting habitat score of 134. The project also involves impacts to numerous wetlands (isolated and contiguous) on both the north and south side of SR-15. The land use in the surrounding area is primarily rural agricultural.

PROJECT DESCRIPTION: The applicant proposes to construct 3.703 miles of SR-20 from the Madison County Line to west of Crucifer Road in Henderson County. Specific impacts would be as follows (see map):

Station 145+00+/- to Sta. 150+35+/-: Permanent impact to 1.821 acres and temporary impact to 0.074 acre of wetlands. Station 161+00+/- to Sta. 173+10+/-: Permanent impact to 3.606 acres and 0.831 acre of temporary impact to wetlands. Station 187+30+/- to Sta. 191+60+/-: Permanent impact 0.045 acre of wetlands. Station 194+55+/- to Sta. 195+90+/-: Permanent impact to 0.085 acre of wetlands. Station 194+85+/- to Sta. 199+20+/-: Permanent impact to 0.498 acre of wetlands. Station 189+00+/- to Sta. 191+70+/-: Permanent impact to 0.904 acre and 0.209 acre of temporary impact. Station 114+88 (Rt): Unnamed Trib. to Gurley Creek. Water and gas line crossings. Station 115+43: Unnamed Trib. to Gurley Creek. Existing 380 ft. of open channel and 136 ft. of structure to be replaced with 400 ft. of 54-inch RCP, 60 ft. of energy dissipater at the outlet and 10 ft. of stream at the inlet for a loss of 46 ft. of stream length. Station 115+80 (Lt): Unnamed trib. to Gurley Creek. Water and gas line crossings. Station 130+30(Rt.): Unnamed trib. Water and gas line crossings. Station 130+30+/- to Sta. 140+10+/-: Unnamed trib. Existing 918 ft. of open stream, 148 ft. of structure (to remain) and 121 ft. of structure to be replaced with extension of the 148 ft. culvert by 278 ft. with 40+/- ft. of energy dissipater at the outlet and 448 ft. of 60-inch RCP with 40 ft. of energy dissipater at the outlet for a loss of 233 ft. of stream length. Station 131+50+/- (Rt): Unnamed trib. Water and gas line crossings. Station 131+80+/- to Sta. 139+00+/-: Wetland. Permanent impact to 0.251 acre and temporary impact to 0.169 acre of wetlands. Station 132+00+/- (Lt.) to Sta. 132+80+/- (Lt.): Wetlands. Water and gas line crossings. Station 132+65+/- (Lt.): Unnamed Trib. Water and gas line crossings. Station 136+90+/- (Lt.) to 138+90+/- (Lt): Wetland. Water and gas line crossings. Station 137+50+/- (Lt.): Unnamed Trib. Water and gas line crossings. Station 140+40+/- (Rt.): Unnamed trib. Water and gas line crossings. Station 145+00+/- (Lt.) to Sta. 147+00+/- (Lt.): Wetland. Water and gas line crossings. Station 151+35+/- (Rt.): Dry Branch. Water and gas line crossings. Station 151+90: Dry Branch. Existing 300 ft. of open stream and 37 ft. of structure to be replaced with 267 ft. of 12X10 ft. box culvert and 60 ft. of open stream (30 ft. in riprap) for a loss of 10 ft. of stream length. Station 152+55+/- (Lt.): Dry Branch. Water and gas line crossings. Station 160+60+/- (Lt): Unnamed trib. Water and gas line crossings. Station 160+90+/- to Sta. 165+70+/-: Unnamed trib. Existing 640 ft. of open stream and 36 ft. of structure (to be removed) to be replaced with 166 ft. of 8X6 ft. box culvert with 610 ft. of riprap lined relocated channel at the inlet and 55 ft. of open channel at the outlet. Station 161+50+/- to 174+40+/-: Unnamed trib. Existing 1591 ft. of open stream to be

replaced with 786 ft. of riprap lined relocated channel and 70 ft. of 36-inch RCP with U-shaped end wall for a loss of 735 ft. Station 165+70+/- (Rt.): Unnamed trib. Water and gas line crossings. Station 165+70+/- (Lt.): unnamed trib. Water and gas line crossings. Station 168+30+/- (Rt.): Unnamed trib. Install riprap lined outfall structure. Station 180+30+/- (Lt) to Sta. 182+10+/- (Lt.): wetlands. Water and gas line crossings. Station 187+85+/- (Lt.): Unnamed trib. Water and gas line crossings. Station 187+50 (Lt.) to Sta. 191+50+/- (Lt.): Wetland. Water and gas line crossings. Station 189+30+/- (Rt.) to Sta. 190+65+/- (Rt.): Wetland. Water and gas line crossings. Station 189+65+/- (Rt.): Unnamed trib. Water and gas line crossings. Station 189+65: Unnamed trib. Existing 210 ft. of open stream and 108 ft. of structure (to be removed) to be replaced with 288 ft. of 72-inch RCP with 40 ft. of open stream at the inlet and 15 ft. of riprap lined channel at the outlet. Station 187+30+/- to Sta. 191+60+/-: Wetland. Permanent impact to 0.166 acre and temporary impact to 0.276 acre of wetlands. Station 192+50+/- (Lt.): Unnamed trib. Water and gas line crossings. Station 192+50+/- to Sta. 200+70+/-: Unnamed trib. Existing 1097 ft. of open stream and 73 ft. of structure (to be removed) to be replaced with 288 ft. of 72-inch RCP, 110 ft. of 36-inch RCP and 654 ft. of riprap lined relocated channel for a loss of 118 ft. of stream length. Station 196+60+/- to Sta. 196+40+/-: Unnamed trib. Loss of 60 ft. of stream length. Station 197+40+/- (Rt.): Unnamed trib. Water and gas line crossings. Station 198+80+/- to Sta. 199+20+/-: Unnamed trib. Loss of 50 ft. of open stream length. Station 199+70+/- (Rt.): Unnamed trib. Water and gas line crossings. Station 200+65+/- (Rt.): Unnamed trib. Water and gas line crossings. Station 200+85+/- (Rt.): Unnamed trib. Drainage outfall structure. Station 212+30: Unnamed trib. Existing 270 ft. of open stream and 97 ft. of structure to be replaced with 266 ft. of 72-inch RCP with 45 ft. of energy dissipater at the outlet for a loss of 56 ft. of stream length. Station 212+35+/- (Lt.): Unnamed trib. Water and gas line crossings. Station 212+35+/- (Rt.): Unnamed trib. Water and gas line crossings. Station 229+86+/- (Lt.) Unnamed trib. Water and gas line crossings. Station 230+21: Unnamed trib. Replace existing structure with 174 ft. of 60-inch RCP with 20 ft. of riprap at the outlet. Station 230+55+/- (Rt.): Unnamed trib. Water and gas line crossings. Station 263+00+/- (Rt.): Courtney Branch. Water and gas line crossings. Station 263+50+/- (Lt.): Courtney Branch. Water and gas line crossings. Station 263+50. Courtney Branch. Existing 275 ft. of open stream and 46 ft. of structure to be replaced with 152 ft. of 12X9 ft. box culvert and 150 ft. of open stream relocation (15 ft. in riprap) for a loss of 56 ft. of stream length. Station 273+65+/- (Rt.): East Fork Courtney Branch. Water and gas line crossings. Station 274+75: east Fork Courtney Branch. Existing 320ft. of open stream and 53 ft. of structure to be replaced with 244 ft. of 12X10 ft. box culvert and 141 ft. of open stream (20 ft. in riprap). Station 275+85+/- (Lt.) East Fork Courtney Branch. Water and gas line crossings. Station 279+20+/- (Lt.): Unnamed trib. Water and gas line crossings. Station 279+50: Unnamed trib. Existing 250 ft. of open stream and 42 ft. of structure to be replaced with 218 ft. of 54-inch RCP and 75 ft. of open stream channel (10ft. in riprap). Station 279+80+/- (Rt.): Unnamed trib. Water and gas line crossings. Station 302+40+/- (Rt.): Unnamed trib. Water and gas line crossings. Station 303+25: Unnamed trib. Existing 287 ft. of open stream and 58 ft. of structure to be replaced with 238 ft. of 8X6 ft. box culvert and 85 of open stream (50 ft. will be an energy dissipater). Station 304+10+/- (Lt.) Unnamed trib. Water and gas line crossings.

The project, as proposed, would permanently impact 7.376 acres and temporarily impact 1.56 acres of wetlands. Wetlands impacts would be mitigated through debiting, at a 2:1 ratio, 14.75 acres of available credit from the Madison County Wetland Mitigation Bank. Stream impacts not mitigated on site would be mitigated by payment of \$1,228,200.00 to the Tennessee Stream Mitigation Program.

Standard erosion control devices would be used to prevent sediment from entering flowing water. Upon completion of the work, all disturbed areas would be stabilized.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.

USGS TOPOGRAPHIC QUADRANGLE: Juno, TN (446-NE)

PERMIT COORDINATOR: Brian Canada

The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address for review and/or copying. The department's address is:

Tennessee Department of Environment & Conservation
Division of Water Pollution Control, Natural Resources Section
7th Floor L & C Annex
401 Church Street
Nashville, TN 37243

No decision has been made whether to issue or deny this permit. The purpose of this notice is to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced.

Interested persons may also request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing.

The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address for review and/or copying. The department's address is:

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In deciding whether to issue or deny a permit, the department will consider all comments on record and the requirements of applicable federal and state laws.

